

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 291200Z March 2001:

2000 series	203(11)	21(26)	32(13)	95(GEN)	102(GEN)
148(26)	2001 series	31(GEN)	64(24)	98(GEN)	

The summary of all NAVAREA IV messages in force as of 14 December 2000 is given in Section III of NM 53/00. Warnings issued during the subsequent quarter are issued in NM 13/01.

NAVAREA IV WARNINGS issued from 221200Z to 291200Z March 2001.

98/01(GEN).

1. NAVAREA IV MESSAGES IN FORCE 231000Z MAR 2001. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2001 SERIES: 64(24), 90(11), 95(GEN), 97(26).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 14 DEC 2000 IS GIVEN IN SEC III OF NM 53/00.
3. CANCEL NAVAREA IV 93/01.

(231005Z MAR 2001)

99/01 thru 101/01. CANCELED.

102/01(GEN). INTERNATIONAL ICE PATROL.

1. THE 2001 INTERNATIONAL ICE PATROL SEASON WILL OPEN WITH THE TRANSMISSION OF THE 0000Z BULLETIN ON 29 MAR 2001. THE 0000Z AND 1200Z BULLETINS WILL BE BROADCAST OVER THE INMARSAT SAFETYNET (AOR-E AND AOR-W) SYSTEM. NBDP(FEC) BROADCASTS OF THE BULLETINS WILL BE AVAILABLE FROM COGARD CAMSLANT CHESAPEAKE/NIK AT 0030Z ON 6314, 8416.5, 12579 KHZ AND AT 1218Z ON 8416.5, 12579, 16806.5 KHZ. NAVTEX ICE BROADCASTS WILL BE AVAILABLE FROM COGARD CAMSLANT CHESAPEAKE/NIK AT 0045Z, 0445Z, 0845Z, 1245Z, 1645Z AND 2045Z ON 518 KHZ. RADIO FACSIMILE CHARTS WILL BE BROADCAST AT 1600Z AND 1810Z ON 6340.5, 9110, 12750 KHZ, DRUM SPEED 120. BROADCAST TIMES MAY BE OBTAINED BY CALLING 860 441 2626 OR VIA INTERNET AT WWW.USCG.MIL/LANTAREA/IIP/IIPRODS.HTML.
2. USE EXTREME CAUTION WHEN NEAR THE GRAND BANKS AS ICE MAY BE PRESENT. REPORT POSITION AND TIME OF ANY ICE ENCOUNTERED TO COMINTICEPAT VIA CG COMMUNICATIONS STATION NMF, NMN, INMARSAT CODE 42, OR ANY CANADIAN COAST GUARD RADIO STATION. MAKE UNCLASSIFIED SEA SURFACE TEMPERATURE AND WEATHER REPORTS TO COMINTICEPAT EVERY SIX HOURS WITHIN LATITUDES 40N AND 52N AND LONGITUDES 39W AND 57W. ICE INFORMATION FOR CANADIAN COASTAL WATERS IS AVAILABLE FROM THE CANADIAN ICE SERVICE OR THE CANADIAN COAST GUARD.
3. INTERNET INFORMATION: WWW.USCG.MIL/LANTAREA/IIP/HOME.HTML.

(262115Z MAR 2001)

SECTION III**NM 15/01****HYDROLANTS**

Messages in force 291200Z March 2001:

1994 series	2165(36)	4273(52)	628(53)	929(24)	987(53)
2191(53)	2210(35)	4284(51)	629(51)	938(24)	988(24)
1998 series	2353(36)	2001 series	653(54)	942(24)	990(24)
2002(53)	2701(57)	14(54)	660(57)	943(GEN)	991(55)
1999 series	2937(38)	15(54)	663(37)	944(57)	993(23,29)
567(54)	2970(51)	82(53)	675(57)	945(56)	998(52,53)
1182(51)	3220(35)	103(35)	754(24)	946(54)	1000(24)
1350(37)	3258(37)	126(24)	758(54)	949(35)	1001(37)
1863(53)	3259(37)	203(24)	766(36,51)	952(53)	1002(37)
2000 series	3523(37)	348(GEN)	854(54)	954(24)	1003(24)
561(54)	3589(37)	384(GEN)	869(55)	958(24)	1004(24)
821(37)	3603(24)	385(GEN)	872(24)	967(37)	1005(24)
1000(35)	3762(43)	386(51)	873(24)	974(54)	1006(36,37)
1166(35,37,43)	3798(35)	470(53)	902(GEN)	976(37)	
1463(35)	3877(37)	551(53)	903(37)	977(37)	
1569(36)	4193(37)	553(56)	914(53)	981(37)	
1581(54)	4265(44)	611(44)	927(37)	983(GEN)	

The summary of all HYDROLANTS in force as of 14 December 2000 is given in Section III of NM 53/00.
Warnings issued during the subsequent quarter are issued in NM 13/01.

HYDROLANT WARNINGS issued from 221200Z to 291200Z March 2001.

933/01 thru 937/01. CANCELED.

938/01(24). BRAZIL-EAST COAST.

1. SURVEY OPERATIONS 26 MAR THRU 05 APR BY
M/V SIRIUS IN AREA BETWEEN 03-00S 05-00S AND
035-18W 032-20W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 06 APR.

(230620Z MAR 2001)

939/01 thru 941/01. CANCELED.

942/01(24). BRAZIL-NORTH COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 18 MAY BY
M/V PROBE GLOMAR C.R. LUGIS IN 04-24.25N 048-30.25W.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 921/01(35), STATION RESTORED.
3. CANCEL HYDROLANT 934/01(37).
4. CANCEL THIS MSG 19 MAY.

(230850Z MAR 2001)

943/01(GEN).

1. HYDROLANT MESSAGES IN FORCE 231000Z MAR 2001. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2001 SERIES: 551(53), 553(56), 611(44), 628(53), 629(51),
653(54), 660(57), 663(37), 675(57), 709(56), 754(24), 758(54),
766(36,51), 854(54), 868(54), 869(55), 872(24), 873(24),
880(53), 899(24), 900(24), 902(GEN), 903(37), 905(52,53),
906(37), 908(37), 909(56), 914(53), 916(24), 917(24), 918(24),
925(35,36), 926(24), 927(37), 929(24), 930(24), 931(37),
932(36), 933(54,56), 935(53), 937(36), 938(24), 939(24),
940(24), 941(24), 942(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF
14 DEC 2000 IS GIVEN IN SEC III OF NM 53/00.
3. CANCEL HYDROLANT 424/01, 874/01.

(231010Z MAR 2001)

944/01(57). SOUTH ATLANTIC. ANGOLA.

PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V SEAWAY POLARIS IN 07-39.1S 011-42.7E.
WIDE BERTH REQUESTED.

(231120Z MAR 2001)

945/01(56). EASTERN MEDITERRANEAN SEA.

1. SEISMIC SURVEY 25 MAR THRU 19 APR BY M/V GECO SAPPHIRE TOWING SIX 5000 METER LONG CABLES IN AREA BOUND BY 32-50.6N 034-23.2E, 32-48.1N 034-32.1E, 32-42.1N 034-33.4E, 32-34.7N 034-26.6E, 32-38.0N 034-15.1E, 32-45.1N 034-18.0E. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 709/01.
3. CANCEL THIS MSG 20 APR.

(231340Z MAR 2001)

946/01(54). AEGEAN SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0500Z TO SUNSET DAILY 28 AND 29 MAR IN AREA BOUND BY 35-36N 024-07E, 36-18N 024-07E, 36-18N 024-47E, 35-34N 025-08E, 35-31N 024-11E.
2. CANCEL THIS MSG 30 MAR.

(231346Z MAR 2001)

947/01 and 948/01. CANCELED.

949/01(35). SCOTLAND-WEST COAST.

- CHART 35246 (2ND ED).
CALVAY LIGHT 57-08.5N 007-15.5W UNLIT.

(231818Z MAR 2001)

950/01 and 951/01. CANCELED.

952/01(53). LIGURIAN SEA.

1. UNDERWATER OPERATIONS 26 MAR THRU 07 APR BY M/V ALLIANCE IN AREA BETWEEN 43-00N 43-20N AND 010-00E 010-20E.
2. CANCEL HYDROLANT 935/01.
3. CANCEL THIS MSG 08 APR.

(240303Z MAR 2001)

953/01. CANCELED.

954/01(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 MAR BY M/V WESTERN PATRIOT TOWING SEVEN 3000 METER LONG CABLES IN AREA BOUND BY 25-56S 045-15W, 26-33S 044-45W, 26-00S 045-21W, 26-37S 044-51W. THREE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 926/01.
3. CANCEL THIS MSG 01 APR.

(240830Z MAR 2001)

955/01 thru 957/01. CANCELED.

958/01(24). BRAZIL-EAST COAST.

- CHART 24230 (20TH ED).
1. RACON AT PONTA DE CALCANHAR LIGHT 05-09.7S 035-29.2W INOPERATIVE.
2. CANCEL HYDROLANT 916/01.

(240850Z MAR 2001)

959/01 thru 966/01. CANCELED.

967/01(37). ENGLAND-SOUTHWEST COAST.

- UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V GOOSANDER VICINITY OF TRACKLINE BETWEEN 50-11.0N 006-03.7W AND 50-10.9N 006-06.8W. WIDE BERTH REQUESTED.

(242255Z MAR 2001)

968/01 thru 973/01. CANCELED.

974/01(54). AEGEAN SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 05 APR BY M/V ODIN FINDER ALONG TRACKLINE JOINING 37-58.0N 024-00.0E, 37-58.0N 024-04.0E, 37-55.0N 024-08.0E, 37-55.0N 024-22.7E, 37-58.0N 024-32.5E, 37-57.0N 024-37.5E, 38-02.0N 024-44.0E, 38-07.0N 024-52.5E, 38-21.5N 025-22.0E, 38-14.0N 025-26.0E. ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 959/01(24).
3. CANCEL THIS MSG 06 APR.

(260850Z MAR 2001)

975/01. CANCELED.

976/01(37). ENGLAND-SOUTH COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V GEO PROSPECTOR TOWING 800 METER LONG CABLE IN
AREA BETWEEN 50-11N 50-16N AND 002-11W 002-18W.
WIDE BERTH REQUESTED.

(261350Z MAR 2001)

977/01(37). DOVER STRAIT.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY
CABLESHIP MONARCH VICINITY 51-11N 002-01E. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 960/01(36), OPERATIONS COMPLETED.

(261409Z MAR 2001)

978/01 thru 980/01. CANCELED.

981/01(37). DOVER STRAIT.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP PETER FABER VICINITY OF TRACKLINE BETWEEN
50-25.5N 000-20.4E AND 50-23.6N 000-23.1E. WIDE BERTH
REQUESTED.
2. CANCEL HYDROLANT 970/01.

(261801Z MAR 2001)

982/01. CANCELED.

983/01(GEN). INTERNATIONAL ICE PATROL.

1. THE 2001 INTERNATIONAL ICE PATROL SEASON WILL OPEN WITH THE
TRANSMISSION OF THE 0000Z BULLETIN ON 29 MAR 2001. THE 0000Z
AND 1200Z BULLETINS WILL BE BROADCAST OVER THE INMARSAT SAFETYNET
(AOR-E AND AOR-W) SYSTEM. NBDP(FEC) BROADCASTS OF THE BULLETINS
WILL BE AVAILABLE FROM COGARD CAMSLANT CHESAPEAKE/NIK AT 0030Z ON
6314, 8416.5, 12579 KHZ AND AT 1218Z ON 8416.5, 12579,
16806.5 KHZ. NAVTEX ICE BROADCASTS WILL BE AVAILABLE FROM
COGARD CAMSLANT CHESAPEAKE/NIK AT 0045Z, 0445Z, 0845Z, 1245Z,
1645Z AND 2045Z ON 518 KHZ. RADIO FACSIMILE CHARTS WILL BE
BROADCAST AT 1600Z AND 1810Z ON 6340.5, 9110, 12750 KHZ, DRUM
SPEED 120. BROADCAST TIMES MAY BE OBTAINED BY CALLING
860 441 2626 OR VIA INTERNET AT
WWW.USCG.MIL/LANTAREA/IIP/IIPRODS.HTML.
2. USE EXTREME CAUTION WHEN NEAR THE GRAND BANKS AS ICE MAY BE
PRESENT. REPORT POSITION AND TIME OF ANY ICE ENCOUNTERED TO
COMINTICEPAT VIA CG COMMUNICATIONS STATION NMF, NMN, INMARSAT
CODE 42, OR ANY CANADIAN COAST GUARD RADIO STATION. MAKE
UNCLASSIFIED SEA SURFACE TEMPERATURE AND WEATHER REPORTS TO
COMINTICEPAT EVERY SIX HOURS WITHIN LATITUDES 40N AND 52N AND
LONGITUDES 39W AND 57W. ICE INFORMATION FOR CANADIAN COASTAL
WATERS IS AVAILABLE FROM THE CANADIAN ICE SERVICE OR THE
CANADIAN COAST GUARD.
3. INTERNET INFORMATION: WWW.USCG.MIL/LANTAREA/IIP/HOME.HTML.

(262120Z MAR 2001)

984/01 thru 986/01. CANCELED.

987/01(53). LIGURIAN SEA. ORDNANCE.

1. TORPEDO FIRING EXERCISES 0700Z TO 1600Z DAILY 28 THRU 30 MAR
WITHIN THREE MILES OF 43-48N 009-45E.
2. CANCEL THIS MSG 301700Z MAR.

(270249Z MAR 2001)

988/01(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 29 MAR BY
M/V VERITAS VIKING II TOWING SIX 6500 METER
LONG CABLES IN AREA BOUND BY 26-21S 045-55W,
26-13S 045-42W, 26-05S 046-20W, 25-45S 045-49W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 30 MAR.

(270640Z MAR 2001)

989/01. CANCELED.

990/01(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 02 APR BY
M/V CGG HARMATTAN TOWING SIX 6000 METER LONG
CABLES IN AREA BETWEEN 19-50S 20-26S AND
039-05W 039-45W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 03 APR.

(270650Z MAR 2001)

991/01(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1900Z DAILY 31 MAR AND 01 APR
IN AREA BOUND BY 44-54N 029-36E, 45-03N 030-13E,
44-45N 030-13E, 44-52N 029-36E.
2. CANCEL HYDROLANT 978/01.
3. CANCEL THIS MSG 012000Z APR.

(270720Z MAR 2001)

992/01. CANCELED.

993/01(23,29). SOUTH ATLANTIC. ICE.

1. VERY LARGE ICEBERGS REPORTED ON 27 MAR:
A. A-22B, 20 MILES BY 20 MILES, IN 51-24S 039-18W.
B. A-22C, THREE MILES BY 14 MILES, IN 55-18S 016-06W.
C. D-11, EIGHT MILES BY 29 MILES, IN 55-06S 026-18W.
2. CANCEL HYDROLANT 986/01(36), OPERATIONS COMPLETED.
3. CANCEL HYDROLANT 964/01.
4. CANCEL THIS MSG 03 APR.

(271556Z MAR 2001)

994/01 thru 997/01. CANCELED.

998/01(52,53). GOLFE DU LION. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 301100Z TO 301400Z MAR IN AREA BOUND
BY 42-25N 005-30E, 42-25N 006-40E, 41-55N 006-40E,
41-55N 005-34E, 42-06N 005-30E.
2. CANCEL THIS MSG 301500Z MAR.

(281348Z MAR 2001)

999/01. CANCELED.

1000/01(24). BRAZIL-NORTH COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 MAR BY
M/V SKANDI HAV VICINITY OF TRACKLINE BETWEEN
03-24.2S 038-00.8W AND 03-26.9S 038-03.1W.
TWO MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 997/01(54,56).
3. CANCEL THIS MSG 01 APR.

(281756Z MAR 2001)

1001/01(37). CELTIC SEA.

UNDERWATER CABLE OPERATIONS 290600Z MAR UNTIL FURTHER
NOTICE BY CABLESHIP LEON THEVENIN VICINITY OF TRACKLINE
JOINING 47-47N 006-56W, 47-56N 007-35W, 47-48N 007-56W.
WIDE BERTH REQUESTED.

(282052Z MAR 2001)

1002/01(37). ENGLAND-EAST COAST. MINE.

MINE ADRIFT MARKED BY LIGHT, F W, VICINITY 52-38.20N 002-08.79E
AT 281745Z MAR.

(282154Z MAR 2001)

1003/01(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 29 MAR BY
M/V GECO TAU TOWING 8300 METER LONG CABLE IN
AREA BOUND BY 02-25S 040-06W, 01-45S 040-01W,
02-26S 039-53W, 01-47S 039-48W. SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 930/01.
3. CANCEL THIS MSG 30 MAR.

(290635Z MAR 2001)

1004/01(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 29 MAR BY
M/V RAMFORM VANGUARD AND M/V SANCO SEA
TOWING EIGHT 6500 METER LONG CABLES IN AREA
BOUND BY 24-30S 043-30W, 24-22S 043-15W,
24-00S 043-20W, 24-07S 043-40W.
FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 989/01.
3. CANCEL THIS MSG 30 MAR.

(290640Z MAR 2001)

1005/01(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 30 MAR BY
M/V NORTHERN ACCESS TOWING 4800 METER LONG CABLE
IN AREA BOUND BY 24-10S 043-40W, 24-20S 043-30W,
25-00S 045-20W, 25-05S 045-15W. SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 996/01.
3. CANCEL THIS MSG 31 MAR.

(290645Z MAR 2001)

1006/01(36,37). CELTIC SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V HAVILA REEL VICINITY 51-28.5N 006-30.3W.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 999/01.

(290650Z MAR 2001)

SECTION III

NM 15/01

NAVAREA XII

Messages in force 291200Z March 2001:

2001 series	95(GEN)	98(GEN)	104(18)
35(GEN)	96(16,17)	103(19)	

The summary of all NAVAREA XII messages in force as of 14 December 2000 is given in Section III of NM 53/00. Warnings issued during the subsequent quarter are issued in NM 13/01.

NAVAREA XII WARNINGS issued from 221200Z to 291200Z March 2001.

98/01(GEN).

1. NAVAREA XII MESSAGES IN FORCE 231000Z MAR 2001. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2001 SERIES: 70(19), 95(GEN), 96(16,17), 97(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 14 DEC 2000 IS GIVEN IN SEC III OF NM 53/00.
3. CANCEL NAVAREA XII 102/00, 94/01.

(231015Z MAR 2001)

99/01 thru 102/01. CANCELED.

103/01(19). HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY, MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE BETWEEN 1600Z AND 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS AN AREA BOUND BY:
A. 22-00.0N 159-51.0W
B. 22-00.0N 160-00.0W THENCE CCW 3 MILES FROM NIIHAU/LEHUA TO
C. 22-02.7N 160-09.1W
D. 22-03.0N 160-21.0W
E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM
F. 22-02.4N 159-47.3W (BARKING SANDS TACAN)
G. 22-45.0N 161-25.0W
H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
I. 22-02.4N 159-47.3W (BARKING SANDS TACAN)
J. 23-57.0N 160-41.0W
K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
L. 22-02.4N 159-47.3W (BARKING SANDS TACAN)
M. 25-47.0N 158-15.0W
N. 23-54.0N 158-15.0W
O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM
P. 21-58.1N 159-20.5W (LIHUE VORTAC)
Q. 22-13.0N 159-42.0W THENCE CCW 3 MILES AND PARALLEL TO THE SHORELINE OF KAUAI
R. 22-00.0N 159-51.0W
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182KHZ AM, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSELS SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 70/01.

(270855Z MAR 2001)

104/01(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS TAKE PLACE 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE BETWEEN 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
A. 34-02N 119-04W. M. THENCE 3 NAUTICAL MILES FROM
B. 33-52N 119-06W. AND PARALLEL TO THE SHORELINE TO:
C. 33-29N 119-07W. N. 34-24N 120-30W.
D. 33-29N 118-37W. O. 34-08N 120-26W.
E. 33-20N 118-37W. P. 34-08N 119-40W.
F. 32-11N 120-16W. Q. 34-00N 119-40W.
G. 31-54N 121-35W. R. 34-06N 119-13W.
H. 35-09N 123-39W. S. 34-06N 119-11W.
I. 35-29N 123-00W. T. 34-07N 119-10W.
J. 35-04N 122-43W. U. 34-07N 119-07W.
K. 35-37N 121-32W. V. 34-04N 119-04W.
L. 34-59N 120-42W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE

AREAS DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT
PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ)
SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING
THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE
WITHIN THE RANGE.

3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS
WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS
DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S
SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE IF
THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE
MILES OFFSHORE IN THE VICINITY OF POINT MUGU OR CROSS THE AREA TO
THE SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 97/01.

(290925Z MAR 2001)

HYDROPACS

Messages in force 291200Z March 2001:

1999 series	1302(61)	18(96)	210(74)	348(81)	452(74)
835(93)	1366(22)	32(62)	231(61)	375(93)	454(61)
1043(63)	1410(22)	56(73)	234(61)	376(74)	455(81)
1079(74)	1434(22)	62(72)	235(22)	379(62)	459(62)
1092(71)	1438(63)	88(74)	241(93)	380(63)	461(95)
1393(71)	1492(62)	105(63)	249(93)	384(71)	462(94,95)
2000 series	1505(22)	107(83)	260(74)	390(61)	463(94)
96(94)	1557(94)	112(63)	284(76)	413(22)	464(63)
144(73)	1558(22)	113(73)	290(94)	417(62)	465(62)
252(71)	1605(62)	114(74)	291(71)	420(GEN)	468(74)
498(71)	1606(81)	117(73,74)	300(74)	421(76,83)	469(94,95)
597(73)	1619(81)	145(62)	306(94,95)	424(63)	470(71)
668(76)	1659(62)	151(71,93)	316(91)	430(94,97)	472(75)
669(22)	1773(71)	153(GEN)	317(94,95)	431(19,97)	473(74)
681(76)	1785(92)	154(71,93)	318(94,95)	434(63)	474(94,95)
683(76)	1798(62)	155(63)	323(94,95)	435(22)	475(95)
696(62)	1842(62)	157(63)	324(95)	436(75)	476(96)
803(73)	1862(22)	170(GEN)	329(94,95)	442(62,63)	477(81)
857(74)	1863(22)	171(GEN)	332(74,75)	444(GEN)	
1183(61)	2001 series	182(74)	345(81,82)	446(63)	
1184(61)	14(62)	208(63)	346(93)	448(62)	

The summary of all HYDROPACS in force as of 14 December 2000 is given in Section III of NM 53/00. Warnings issued during the subsequent quarter are issued in NM 13/01.

HYDROPAC WARNINGS issued from 221200Z to 291200Z March 2001.

438/01 thru 441/01. CANCELED.

442/01(62,63). ARABIAN GULF. NAVAL COORDINATION AND PROTECTION OF SHIPPING EXERCISE.

1. TO: ALL OPERATORS OF U.S. FLAG, EFFECTIVE U.S. CONTROLLED VESSELS AND OTHER MARITIME INTERESTS. U.S. AND ALLIED NAVAL COORDINATION AND PROTECTION OF SHIPPING (NCAPS) (FORMALLY NCS) AUTHORITIES WILL CONDUCT A NAVAL COORDINATION AND PROTECTION OF SHIPPING EXERCISE IN THE ARABIAN GULF FROM 26 MAR THRU 03 APR.
2. THIS EXERCISE WILL EMPLOY REGIONAL NAVAL COORDINATION AND PROTECTION OF SHIPPING PROCEDURES.
3. EXERCISE PERSONNEL WILL BE OPERATING FROM BAHRAIN, KUWAIT, SAUDI ARABIA, QATAR, AND THE UNITED ARAB EMIRATES AND MAY CONTACT YOUR VESSEL BY RADIO TO VERIFY VESSEL DATA, REQUEST PERMISSION TO VISIT YOUR AGENTS OR BRIEF MASTERS AND VERIFY THAT REQUIRED NCAPS PUBLICATIONS ARE ON BOARD. THE INTENTION IS TO INCREASE NAVAL/COMMERCIAL SHIPPING COOPERATION.
4. MERCHANT SHIP PARTICIPATION IN THIS EXERCISE IS ON A VOLUNTARY BASIS AND IS NOT TO INTERFERE WITH SHIP MOVEMENTS OR PORT OPERATIONS. SHIPS THAT PARTICIPATE WILL NOT BE DELAYED OR DIVERTED FROM THEIR NORMAL COMMERCIAL COMMITMENTS. ALTHOUGH NAVAL BRIEFING PARTIES ARE ACTING IN THE LINE OF DUTY IN AN OFFICIAL CAPACITY, BRIEFINGS WILL BE AT THE DISCRETION OF THE MASTER, PARTICULARLY IN REGARDS TO SAFETY.
5. OPERATORS WHO WILL HAVE VESSELS IN THE EXERCISE AREA AND DO NOT WANT THEIR VESSELS TO PARTICIPATE IN THIS EXERCISE ARE REQUESTED TO ADVISE THE MARITIME ADMINISTRATION OF SUCH VESSEL NAMES BY 25 MAR.
6. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY TO THEIR VESSELS IN THE AFFECTED AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION CENTER HOMEPAGE AT POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.
7. DURING THE EXERCISE PERIOD, QUESTIONS CAN BE REFERRED TO THE NAVAL COORDINATION AND PROTECTION OF SHIPPING HEADQUARTERS TO BE ESTABLISHED IN BAHRAIN, PHONE: 973 743 953, FAX: 973 743 952, E-MAIL: PETER.BURKHUSE@MICFACCENT.NAVY.MIL. DIRECT QUESTIONS TO THE WATCH COMMANDER.
8. FOR FURTHER INFORMATION REGARDING THIS ADVISORY, CONTACT MR. PETE PETRELIS, MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, DIVISION OF OPERATIONS SUPPORT, CODE MAR-613, ROOM 2123, 400 SEVENTH STREET SW, WASHINGTON DC 20590; PHONE 202 366 5735, FAX: 202 366 3954.
9. CANCEL THIS MSG 04 APR.

(221938Z MAR 2001)

443/01. CANCELED.

444/01(GEN).

1. HYDROPAC MESSAGES IN FORCE 231000Z MAR 2001. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2001 SERIES: 208(63), 210(74), 231(61), 234(61), 235(22), 241(93), 249(93), 260(74), 284(76), 290(94), 291(71), 300(74), 306(94,95), 316(91), 317(94,95), 318(94,95), 323(94,95), 324(95), 329(94,95), 332(74,75), 337(74), 345(81,82), 346(93), 348(81), 375(93), 376(74), 379(62), 380(63), 384(71), 387(62,63), 390(61), 413(22), 415(75), 417(62), 420(GEN), 421(76,83), 422(73,74), 423(63), 424(63), 425(62,63), 427(22), 430(94,97), 431(19,97), 434(63), 435(22), 436(75), 437(95,96), 438(95,96), 440(95), 441(62), 442(62,63).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 14 DEC 2000 IS GIVEN IN SEC III OF NM 53/00.
3. CANCEL HYDROPAC 46/01, 176/01, 180/01, 183/01, 408/01, 428/01.

(231020Z MAR 2001)

445/01. CANCELED.

446/01(63). INDIA-EAST COAST. BAY OF BENGAL.

1. SEISMIC SURVEY 27 MAR THRU 20 MAY BY M/V NORDIC EXPLORER TOWING SIX 6000 METER LONG CABLES IN AREA BOUND BY 15-51.7N 080-31.5E, 15-21.0N 080-34.2E, 15-21.0N 080-40.4E, 15-23.1N 080-40.8E, 15-24.2N 080-46.1E, 15-33.0N 080-49.4E, 15-36.1N 081-01.4E, 15-38.5N 081-01.7E, 15-45.4N 081-13.7E, 15-58.7N 081-09.2E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 MAY.

(231357Z MAR 2001)

447/01. CANCELED.

448/01(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 280630Z TO 311600Z MAR WITHIN TWO MILES OF 26-22.1N 051-42.8E.
2. CANCEL THIS MSG 311700Z MAR.

(231458Z MAR 2001)

449/01 thru 451/01. CANCELED.

452/01(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V VERITAS SEARCHER TOWING FOUR MILE LONG CABLE IN AREA BETWEEN 13-05S 15-40S AND 119-45E 123-15E. WIDE BERTH REQUESTED.

(250058Z MAR 2001)

453/01. CANCELED.

454/01(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 11-24.4S 047-14.2E AT 250542Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION, INMARSAT-C: 4227 99193, TELEX: 916140, PHONE: 26 243 4343, FAX: 26 271 1595.

(250620Z MAR 2001)

455/01(81). NORTH PACIFIC.

1. SUBMARINE CABLE OPERATIONS 30 MAR THRU 25 APR BY M/V KOUKI MARU VICINITY OF TRACKLINE JOINING 11-57.6S 164-04.7E, 00-31.9N 157-30.7E, 03-33.2N 156-11.7E, 06-50.0N 154-18.2E, 08-02.6N 153-34.3E, 09-31.5N 152-14.6E, 11-48.2N 149-02.6E.
2. CANCEL THIS MSG 26 APR.

(250855Z MAR 2001)

456/01 thru 458/01. CANCELED.

459/01(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 301000Z TO 310900Z MAR WITHIN TWO MILES OF 26-55N 051-35E.
2. CANCEL HYDROPAC 456/01(GEN).
3. CANCEL THIS MSG 311000Z MAR.

(260750Z MAR 2001)

460/01. CANCELED.

461/01(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 30 APR
IN AREA BOUND BY 38-25N 128-45E, 38-25N 129-30E,
38-10N 129-30E, 38-10N 129-00E, 38-17N 129-00E,
38-17N 128-45E.
2. CANCEL THIS MSG 301400Z APR.

(271010Z MAR 2001)

462/01(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 30 APR
IN AREA BETWEEN 35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 301400Z APR.

(271020Z MAR 2001)

463/01(94). EAST CHINA SEA.

1. MAN OVERBOARD FROM F/V HONGWON HO VICINITY
27-35N 123-41E AT 262200Z MAR. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.
2. CANCEL HYDROPAC 460/01(71), VESSEL ASSISTED.

(271050Z MAR 2001)

464/01(63). INDIA-WEST COAST.

1. SEISMIC SURVEY 30 MAR THRU 16 APR BY M/V ACQUA MARINE
TOWING 6000 METER LONG CABLE IN AREA BOUND BY
22-54.5N 068-33.8E, 22-28.4N 068-34.1E, 22-21.7N 069-35.1E,
22-45.8N 069-34.1E, 22-54.5N 069-05.3E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 337/01(74), SURVEY COMPLETED.
3. CANCEL HYDROPAC 457/01(75), AID RESTORED.
4. CANCEL HYDROPAC 425/01(62,63).
5. CANCEL THIS MSG 17 APR.

(271418Z MAR 2001)

465/01(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS:
 - A. IN PROGRESS UNTIL 022100Z APR IN AREA BOUND BY
26-48N 052-10E, 26-48N 051-27E, 27-03N 051-16E,
27-03N 051-00E, 26-00N 051-01E, 26-00N 052-10E.
 - B. 300400Z TO 311000Z MAR WITHIN TEN MILES OF
26-55N 051-35E.
2. CANCEL HYDROPAC 441/01.
3. CANCEL THIS MSG 022200Z APR.

(271745Z MAR 2001)

466/01 and 467/01. CANCELED.

468/01(74). AUSTRALIA-NORTH COAST.

1. DERELICT TEN METER F/V PARTIALLY SUBMERGED AND
ADRIFT IN 11-25.6S 129-41.3E AT 270230Z MAR.
2. CANCEL HYDROPAC 466/01(75), STATION RESTORED.
3. CANCEL THIS MSG 04 APR.

(280720Z MAR 2001)

469/01(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 02 THRU 04,
06, 07, 09 THRU 14, 16 THRU 21, 23 THRU 28 AND 30 APR
IN AREAS BETWEEN:
 - A. 36-04N 36-34N AND 124-50E 125-48E,
 - B. 35-00N 35-25N AND 124-50E 125-48E.
2. CANCEL THIS MSG 301100Z APR.

(281259Z MAR 2001)

470/01(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1400Z DAILY 02 THRU 07,
09 THRU 14, 16 THRU 21, 23 THRU 28 AND 30 APR IN AREA
BOUND BY 04-52N 100-06E, 04-12N 100-17E, 04-33N 099-48E.
2. CANCEL THIS MSG 301500Z APR.

(281321Z MAR 2001)

471/01. CANCELED.

472/01(75). AUSTRALIA-EAST COAST.

- CHART 75261 (6TH ED).
SYDNEY DGPS STATION 33-59S 150-59E OFF AIR.

(290024Z MAR 2001)

473/01(74). CORAL SEA.

1. DISTRESS SIGNAL RECEIVED ON 243 MHZ VICINITY 16-55S 155-06E
AT 290606Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT. ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811.
2. CANCEL HYDROPAC 467/01, SEARCH SUSPENDED.
3. CANCEL HYDROPAC 471/01, AID RESTORED.

(290750Z MAR 2001)

474/01(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 02 THRU 04,
06, 07, 09 THRU 14, 16 THRU 21, 23 THRU 28
AND 30 APR IN AREA BOUND BY 36-42N 125-42E,
36-42N 124-50E, 37-06N 124-50E, 37-11N 125-42E.
2. CANCEL THIS MSG 301100Z APR.

(290840Z MAR 2001)

475/01(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 02 THRU 04,
06, 07, 09 THRU 14, 16 THRU 21, 23 THRU 28
AND 30 APR IN AREA BOUND BY 38-08N 129-51E,
38-08N 130-10E, 37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 301100Z APR.

(290850Z MAR 2001)

476/01(96). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 020001Z TO 021100Z APR WITHIN
18 MILES OF 39-30N 132-00E.
2. CANCEL THIS MSG 021200Z APR.

(290920Z MAR 2001)

477/01(81). NORTH PACIFIC. MARIANA ISLANDS.

1. CABLE LAYING OPERATIONS 03 THRU 30 APR BY CABLESHIP FRESNEL
VICINITY OF TRACKLINES JOINING:
A. 13-32N 144-48E, 13-26N 144-24E, 12-45N 144-08E,
11-48N 146-46E, 12-17N 148-23E, 11-48N 149-02E.
B. 13-33N 144-48E, 13-43N 144-48E, 13-36N 146-06E,
14-08N 146-55E, 13-25N 148-04E, 12-28N 148-26E,
15-06N 150-01E, 17-14N 149-33E, 19-50N 149-33E,
20-47N 148-58E.
2. CANCEL THIS MSG 01 MAY.

(291020Z MAR 2001)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Marine Navigation Department website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/01 for those in-force as of 20 December 2000, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 29 March 2001: 97-3, 98-2, 98-5, 98-6, 99-3, 00-7, 01-1, 01-2 and 01-3.

MARAD ADVISORY NO. 01-3 (221600Z MAR 2001)

TO: ALL OPERATORS OF U.S. FLAG, EFFECTIVE U.S. CONTROLLED VESSELS AND
OTHER MARITIME INTERESTS

1. U.S. AND ALLIED NAVAL COORDINATION AND PROTECTION OF SHIPPING (NCAPS)
(FORMALLY NCS) AUTHORITIES WILL CONDUCT A NAVAL COORDINATION AND
PROTECTION OF SHIPPING EXERCISE IN THE ARABIAN GULF FROM 26 MARCH TO
03 APRIL 2001.

2. THIS EXERCISE WILL EMPLOY REGIONAL NAVAL COORDINATION AND
PROTECTION OF SHIPPING PROCEDURES.

3. EXERCISE PERSONNEL WILL BE OPERATING FROM BAHRAIN, KUWAIT, SAUDI
ARABIA, QATAR, AND THE UNITED ARAB EMIRATES AND MAY CONTACT YOUR
VESSEL BY RADIO TO VERIFY VESSEL DATA, REQUEST PERMISSION TO VISIT YOUR
AGENTS OR BRIEF MASTERS AND VERIFY THAT REQUIRED NCAPS PUBLICATIONS
ARE ON BOARD. THE INTENTION IS TO INCREASE NAVAL/COMMERCIAL SHIPPING
COOPERATION.

4. MERCHANT SHIP PARTICIPATION IN THIS EXERCISE IS ON A VOLUNTARY BASIS
AND IS NOT TO INTERFERE WITH SHIP MOVEMENTS OR PORT OPERATIONS. SHIPS
THAT PARTICIPATE WILL NOT BE DELAYED OR DIVERTED FROM THEIR NORMAL
COMMERCIAL COMMITMENTS. ALTHOUGH NAVAL BRIEFING PARTIES ARE ACTING IN

THE LINE OF DUTY IN AN OFFICIAL CAPACITY, BRIEFINGS WILL BE AT THE DISCRETION OF THE MASTER, PARTICULARLY IN REGARDS TO SAFETY.

5. OPERATORS WHO WILL HAVE VESSELS IN THE EXERCISE AREA AND DO NOT WANT THEIR VESSELS TO PARTICIPATE IN THIS EXERCISE ARE REQUESTED TO ADVISE THE MARITIME ADMINISTRATION OF SUCH VESSEL NAMES BY 25 MARCH 2001.

6. THIS ADVISORY IS CANCELED UPON CONCLUSION OF THE EXERCISE.

7. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY TO THEIR VESSELS IN THE AFFECTED AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION CENTER HOMEPAGE AT POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.

8. DURING THE EXERCISE PERIOD, QUESTIONS CAN BE REFERRED TO THE NAVAL COORDINATION AND PROTECTION OF SHIPPING HEADQUARTERS TO BE ESTABLISHED IN BAHRAIN ON 973-743-953, FAX 973-743-952, E-MAIL: PETER.BURKHUSE@MICFACCENT.NAVY.MIL. DIRECT QUESTIONS TO THE WATCH COMMANDER.

9. FOR FURTHER INFORMATION REGARDING THIS ADVISORY, CONTACT MR. PETE PETRELIS, MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, DIVISION OF OPERATIONS SUPPORT, CODE MAR-613, ROOM 2123, 400 SEVENTH STREET SW, WASHINGTON DC 20590; TELEPHONE (202) 366-5735, FAX (202) 366-3954.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Marine Navigation Department website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/01 for those in-force as of 20 December 2000 and in Notice to Mariners 8/01, 10/01, 12/01, 13/01, 14/01.

SPECIAL WARNINGS in force 29 March 2001: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118 and 119.